



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

September 4, 2012

Mr. Barry Allen
Site Vice President
FirstEnergy Nuclear Operating Company
Davis-Besse Nuclear Power Station
5501 North State Route 2, Mail Stop A-DB-3080
Oak Harbor, OH 43449-9760

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR DAVIS-BESSE NUCLEAR POWER STATION

Dear Mr. Allen:

On August 7, 2012, the NRC staff completed its mid-cycle performance review of Davis-Besse Nuclear Power Station. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from July 1, 2011, through June 30, 2012. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. This assessment reflects the integration of the Security Cornerstone into the Inspection Manual Chapter 0305, "Operating Reactor Assessment Program."

The NRC determined the performance at Davis-Besse during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

Performance at the Davis-Besse Power Plant during the assessment period demonstrated improvement in the area of human performance. Although the total number of findings with documented cross-cutting aspects in human performance remained at 11 from the previous assessment period, the number of findings in H.2(c) has decreased from 5 to 3, and the NRC is confident that current corrective actions, if correctly implemented and sustained, will mitigate the human performance cross-cutting findings. Therefore, the substantive cross-cutting issue in H.2(c) in human performance will be closed.

The enclosed inspection plan lists the inspections scheduled through December 31, 2013. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last 9 months of the inspection plan are tentative and may be revised at the end-of-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence. The NRC

B. Allen

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also plans on performing special and infrequently performed inspections: Inspection Procedure 60854.1, "Preoperational Testing of Independent Spent Fuel Storage Installation at Operating Plants," Temporary Instruction (TI) 2515/187, "Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns," and TI 2515/188, "Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns."

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 630-829-9833 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Jamnes L. Cameron, Chief
Branch 6
Division of Reactor Projects

Docket No. 50-346
License No. NPF-3

Enclosure: Davis-Besse Inspection/Activity Plan

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Letter to B. Allen from J. Cameron dated September 4, 2012.

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR DAVIS-BESSE NUCLEAR POWER STATION

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Davis-Besse
Inspection / Activity Plan
09/01/2012 - 12/31/2013

Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End			
		TI-187 - TI-187 FLOODING WALKDOWN		2
07/01/2012	12/30/2012	IP 2515/187	Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns	
		BI CDBI - COMPONENT DESIGN BASES INSPECTION		6
08/13/2012	09/14/2012	IP 7111121	Component Design Bases Inspection	
		TI-188 - TI-188 SEISMIC WALKDOWN		2
07/02/2012	12/31/2012	IP 2515/187	Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns	
		INSP - SHIELD BLDG CRACKING FOLLOWUP AS NEEDED		1
09/01/2012	12/31/2012	IP 71152	Problem Identification and Resolution	
		TI-177 - TI-2515/177 - GAS VOIDING IN ECCS PIPING		2
10/15/2012	11/02/2012	IP 2515/177	Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	
		ISFSI - ISFSI INSPECTION - SCHEDULE DEPENDENT		1
10/01/2012	11/30/2012	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
		STRIKE - STRIKE CONTINGENCY - OPS/MAINT/RP		3
10/15/2012	11/01/2012	IP 92709	Licensee Strike Contingency Plans	
		BI OLRQ - BIENNIAL REQUAL PROGRAM INSPECTION		2
11/26/2012	11/30/2012	IP 7111111B	Licensed Operator Requalification Program	
		BI FIRE - FIRE PROTECTION INSPECTION & BAG TRIP		3
02/25/2013	03/29/2013	IP 7111105T	Fire Protection [Triennial]	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
01/07/2013	01/11/2013	IP 71124.05	Radiation Monitoring Instrumentation	
		INSP - SHIELD BLDG CRACKING FOLLOWUP AS NEEDED		1
01/01/2013	06/30/2013	IP 71152	Problem Identification and Resolution	
		TI INSP - TI 182 BURIED PIPING PHSE 2		1
01/28/2013	02/01/2013	IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
02/25/2013	03/01/2013	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
04/22/2013	04/26/2013	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
04/22/2013	04/26/2013	IP 71124.04	Occupational Dose Assessment	
		BI EPX - EP EXERCISE INSPECTION / PI VERIFICATION		2
05/13/2013	05/17/2013	IP 7111401	Exercise Evaluation	
05/13/2013	05/17/2013	IP 71151	Performance Indicator Verification	

Davis-Besse
Inspection / Activity Plan
09/01/2012 - 12/31/2013

Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End			
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
05/06/2013	05/10/2013	IP 71124.02	Occupational ALARA Planning and Controls	
05/06/2013	05/10/2013	IP 71151-BI01	Reactor Coolant System Activity	
05/06/2013	05/10/2013	IP 71151-OR01	Occupational Exposure Control Effectiveness	
05/06/2013	05/10/2013	IP 71151-PR01	RETS/ODCM Radiological Effluent	
		OL PREP - DAVIS-BESSE INIT PREP - 05/2013		3
05/13/2013	05/17/2013	W90284	OL - INITIAL EXAM - 2013 MAY-JUNE - DAVIS-BESSE	
		OL EXAM - DAVIS-BESSE INIT EXAM - 06/2013		3
06/03/2013	06/14/2013	W90284	OL - INITIAL EXAM - 2013 MAY-JUNE - DAVIS-BESSE	
		BI PI&R - BIENNIAL PI&R TEAM INSPECTION		4
10/07/2013	10/25/2013	IP 71152B	Problem Identification and Resolution	
		INSP - STEAM GENERATOR REPLACEMENT INSPECTION		2
08/26/2013	12/31/2013	IP 50001	Steam Generator Replacement Inspection	
		BI HP - RADIATION PROTECTION BASELINE INSPECTION		1
11/04/2013	11/08/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
		BI OLRQ - REQUALIFICATION PROGRAM INSPECTION		1
11/11/2013	11/15/2013	IP 7111111A	Licensed Operator Requalification Program - Annual Review	